



Docket No. 1604-X

COMBINED DECLARATION FOR PATENT APPLICATION  
AND  
POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTROMAGNETIC AND NUCLEAR RADIATION DETECTOR  
USING MICROMECHANICAL SENSORS**

the specification of which was filed on January 18, 1996, and assigned Serial No. 08/588,484.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Harold W. Adams	Registration No. 19,101
W. Mark Bielawski	Registration No. 33,225
Vincent A. Branton	Registration No. 39,120
George L. Craig	Registration No. 29,293
J. Kenneth Davis	Registration No. 38,426
Ivan L. Ericson	Registration No. 29,302
Patrick D. Guettner	Registration No. 39,207
Joseph A. Marasco	Registration No. 32,798
Preston H. Smirman	Registration No. 35,365
James M. Spicer	Registration No. 26,096
Shelley L. Stafford	Registration No. 38,623

All of:  
Lockheed Martin Energy Systems, Inc.  
P. O. Box 2009  
Oak Ridge, Tennessee 37831-8243

Please direct all correspondence and telephone calls to Preston H. Smirman, Lockheed Martin Energy Systems, Inc., P. O. Box 2009, Oak Ridge, Tennessee 37831-8243, (423) 576-9677.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first inventor: Thomas G. Thundat  
Inventor's Signature: Thomas G. Thundat Date: 9/9/96  
Residence: Knoxville, Tennessee TN  
Citizenship: United States of America  
Post Office Address: 616 Plainfield Road, Knoxville, Tennessee 37923

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Full name of second inventor: Robert J. Warmack  
Inventor's Signature: Robert J. Warmack Date: 4/4/96  
Residence: Knoxville, Tennessee TN  
Citizenship: United States of America  
Post Office Address: 509 Sundown Road, Knoxville, Tennessee 37922

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Full name of third inventor: Eric A. Wachter  
Inventor's Signature: E. Wachter Date: 9 Apr. 1996  
Residence: Oak Ridge, Tennessee TN  
Citizenship: United States of America  
Post Office Address: 138 Bay Path Drive, Oak Ridge, Tennessee 37830

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Thomas G. Thundat, Robert J. Warmack,  
and Eric A. Wachter Docket No. 1604-X

Serial No.: 08/588,484 Examiner:

Date Filed: January 18, 1996 Art Unit:

Title: **ELECTROMAGNETIC AND NUCLEAR  
RADIATION DETECTOR USING  
MICROMECHANICAL SENSORS**

**ASSOCIATE POWER OF ATTORNEY  
PURSUANT TO 37 C.F.R §1.34**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Please recognize as Associate Attorneys in this case:

Christopher J. Hamaty (Reg. No. 37,634)  
Mark Lee Hogge (Reg. No. 31,622)  
Michael S. Marcus (Reg. No. 31,727)  
Edward A. Pennington (Reg. No. 32,588)

and

Robert E. Paulson (Reg. No. 21,046)  
J. Robert Dailey (Reg. No. 27,434)  
Arnold I. Rady (Reg. No. 26,601)  
Christopher A. Hughes (Reg. No. 26,914)

All of: Morgan & Finnegan  
Suite 960  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004  
Telephone: (202) 857-7887

All of: Morgan & Finnegan  
345 Park Avenue  
New York, New York 10154  
Telephone No. (212) 758-4800

Please direct all correspondence and telephone calls to Mr. Edward A. Pennington.

Respectfully submitted,



Preston H. Smirman  
Registration No. 35,365  
Lockheed Martin Energy Systems, Inc.  
Post Office Box 2009  
Oak Ridge, Tennessee 37831-8243  
Telephone (423) 576-9677